INTERNATIONAL SEARCH REPORT

International Application No PCT/US2004/027744

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C23C14/02 C23C14/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C23C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of th	Relevant to daim No	
Y	US 5 589 280 A (GIBBONS ET AL) 31 December 1996 (1996-12-31) claims 1,16		1,4-6
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A	US 5 137 791 A (SWISHER ET AL) 11 August 1992 (1992-08-11) claims 1,4,6		1,4,5
X	DE 43 22 512 A1 (GTE PRODUCTS WILMINGTON, DEL., US) 20 January 1994 (1994-01-20) claims 1,7,8	CORP.,	1,4,5
X Furti	her documents are listed in the continuation of box C.	Patent family members are lister	d in annex.
° Special ca	ategories of cited documents:	"T" later document published after the in	ternational filing date
"E" earlier of filling of "L" docume which citation "O" docume	ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another n or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or	or priority date and not in conflict wit cited to understand the principle or invention "X" document of particular relevance; the cannot be considered novel or canninvolve an inventive step when the cannot be considered to involve an document of particular relevance; the cannot be considered to involve an document is combined with one or relevance.	claimed invention of be considered to document is taken alone claimed invention inventive step when the nore other such docu-
"P" docume	means ent published prior to the international filing date but han the priority date claimed	ments, such combination being obv in the art. *&* document member of the same pater	
Date of the	actual completion of the international search	Date of mailing of the international se	earch report
1	1 May 2005	24/05/2005	
Name and r	mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel (+31-70) 340-2040, Tx. 31 651 epo ni,	Authorized officer Slembrouck, I	

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT								
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A	DE 43 28 999 A1 (DODUCO GMBH + CO DR. EUGEN DUERRWAECHTER, 75181 PFORZHEIM, DE; WILLY R) 2 March 1995 (1995-03-02) claims	1						
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